

FIG. 1

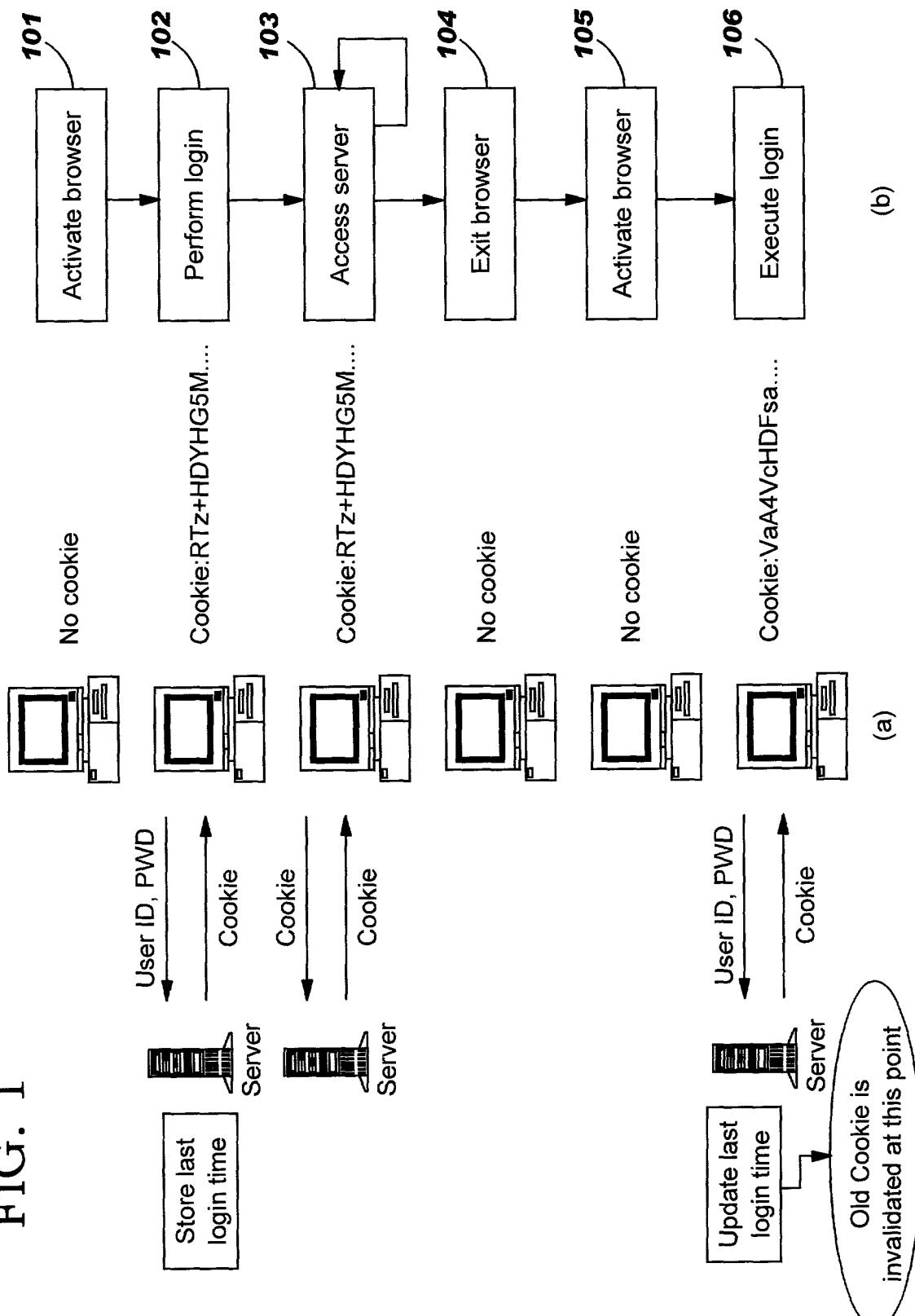


FIG. 2

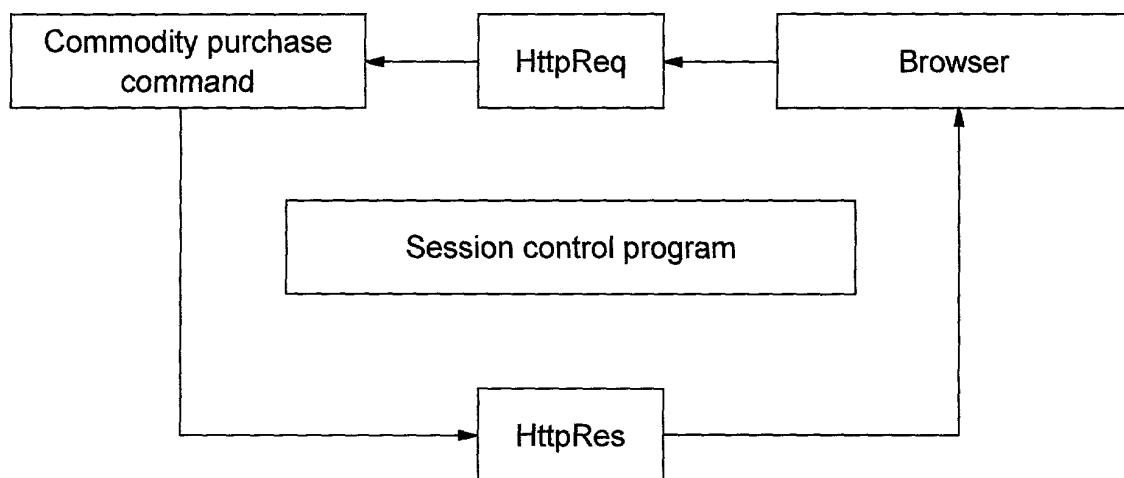


FIG. 3

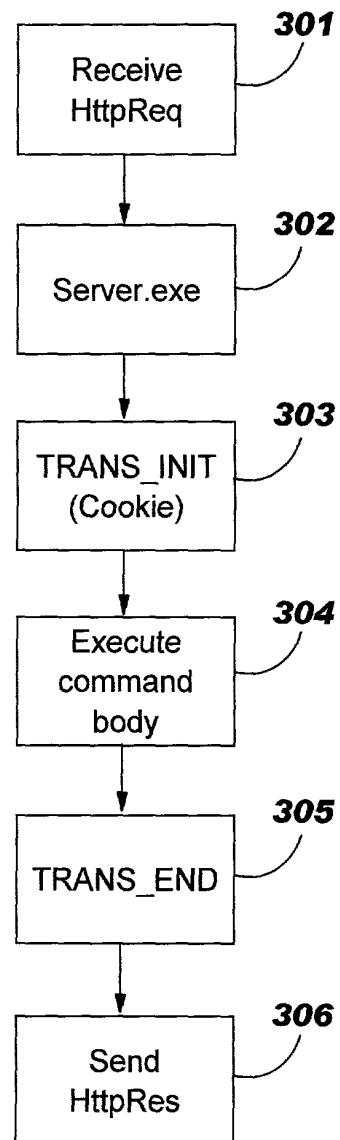


FIG. 4

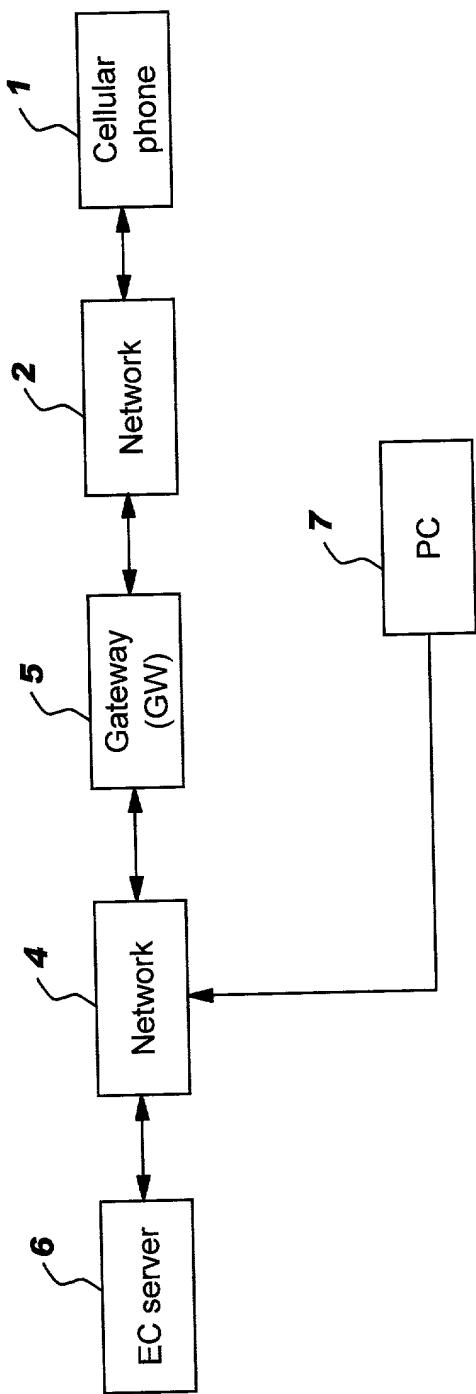


FIG. 5

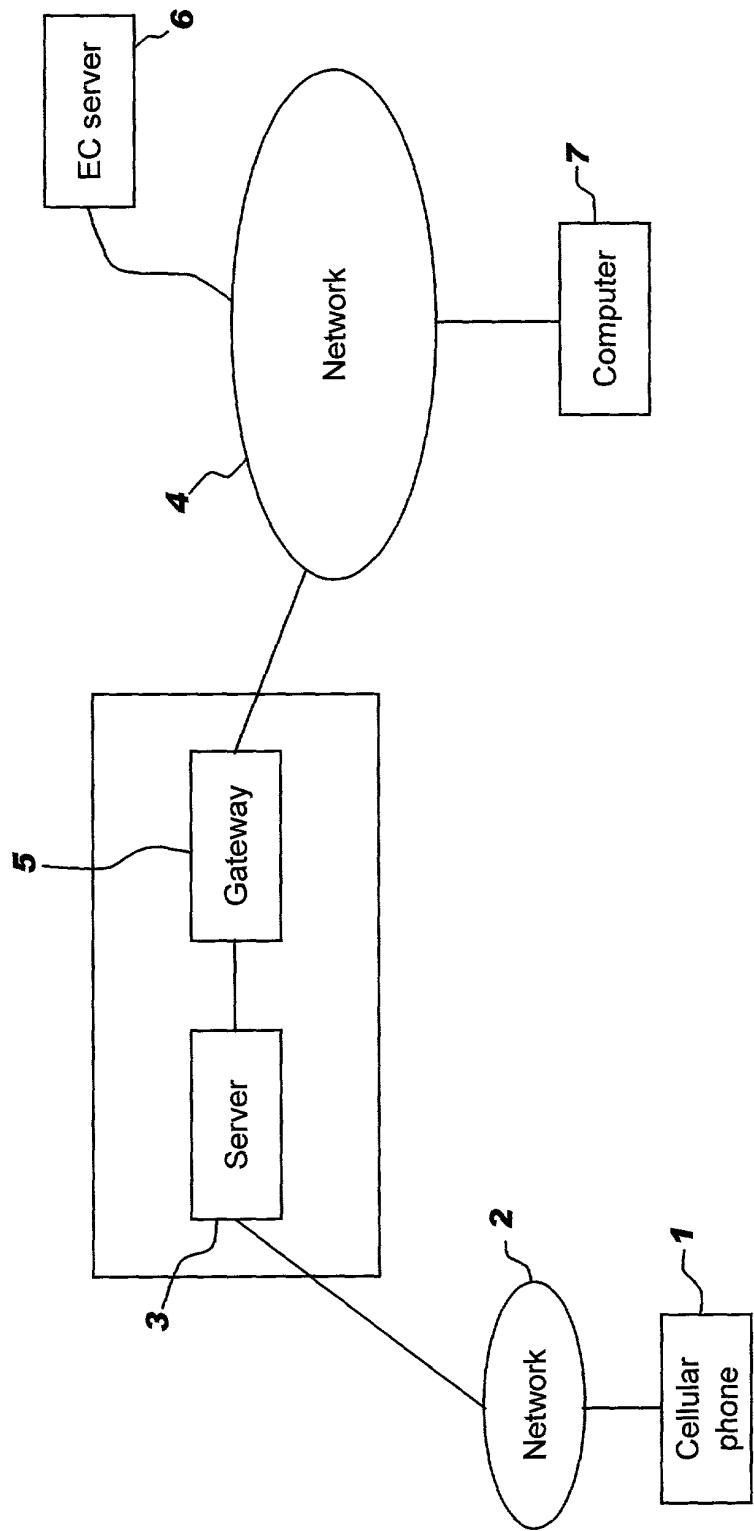


FIG. 6

Request

`http://hostname/cgi-bin/some_cgi/?uid=NULLGWXXXXX`

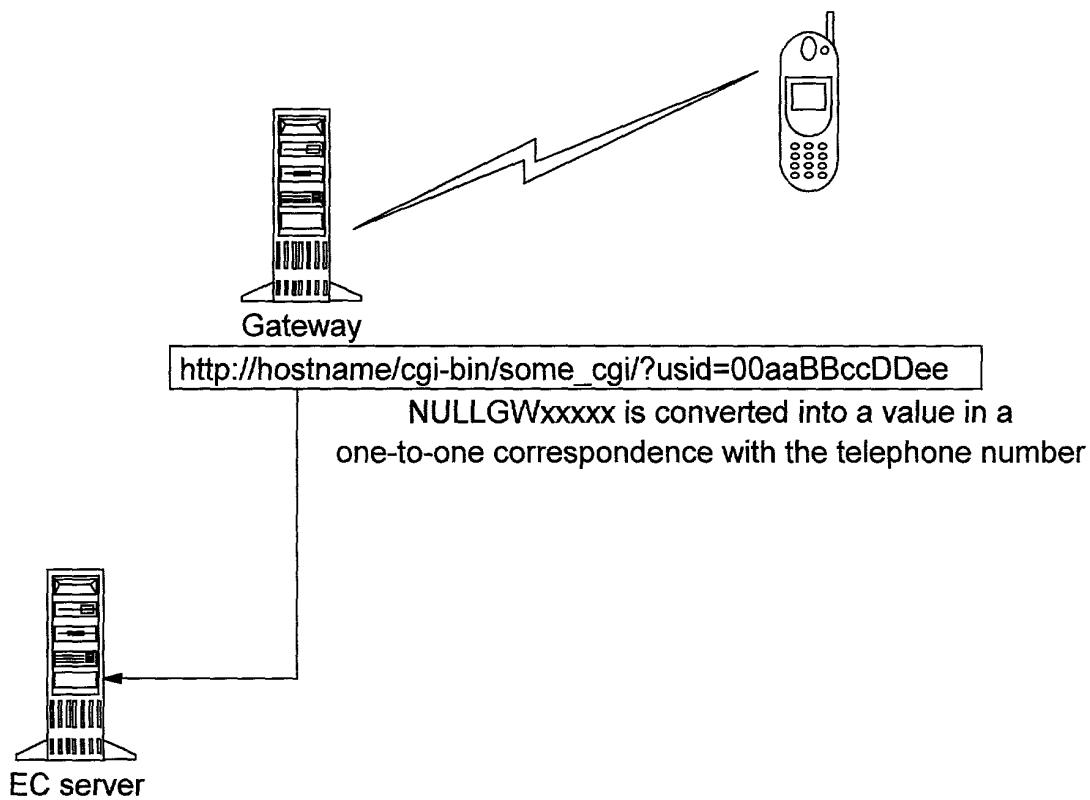


FIG. 7

A	B	C	D
ID			ID
PWD			PWD
Address			Address
• • •	• • •	• • •	•
Identifier			•
Status information			•
			• • • •

FIG. 8

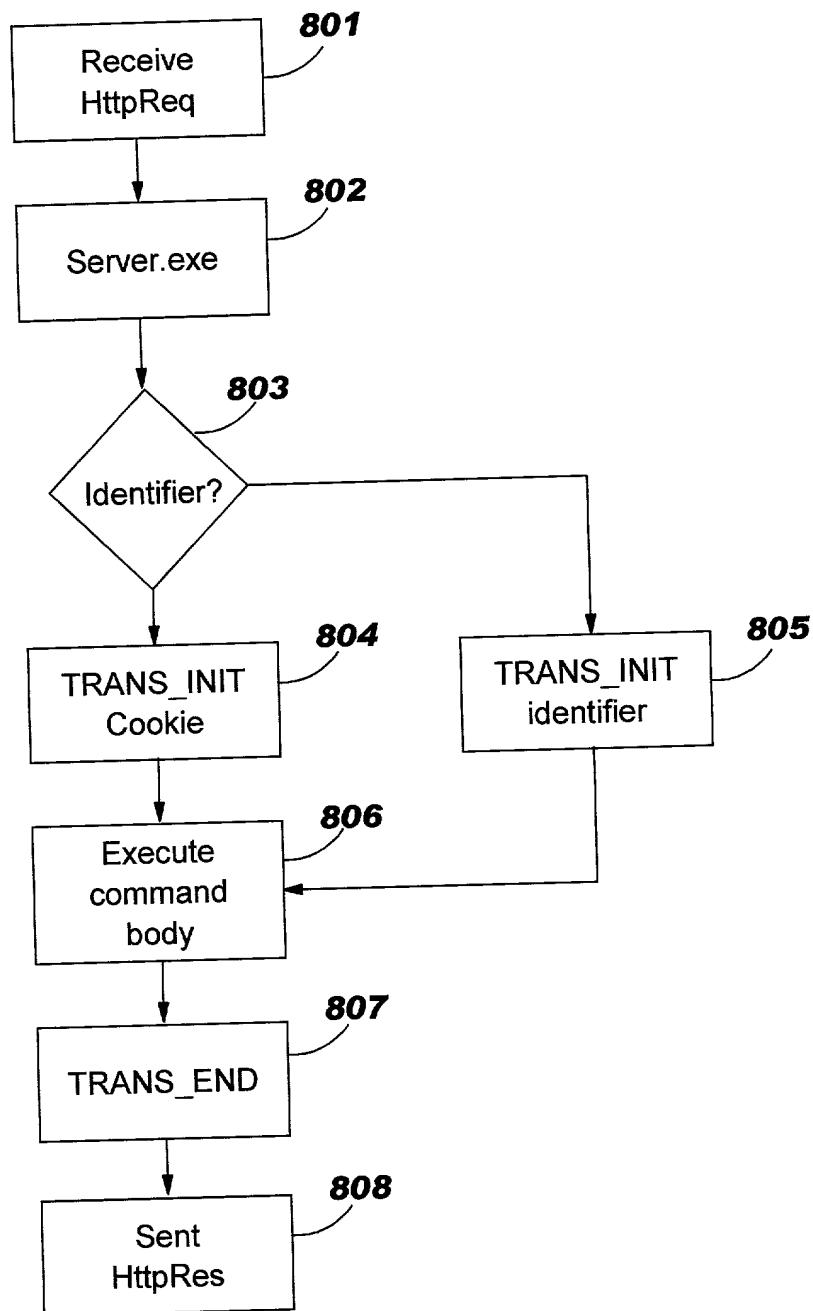


FIG. 9

```
//Session control with a static identifier

bool TransInit_StaticID(
    HttpRequest req
)  {

// The identifier is obtained.
String* static_id = req.getStaticID(name_of_static ID);

if (static_id = NULL {
    // If the request is from a client sending no identifier, ie. from a conventional browser,
    return TransInit_Cookie(req) // A conventional routine is used.
}

// The gateway address is validated.
if (!isValidGatewayAddress(req))  {
    return false;      // The request from the invalid address is rejected.
}

// Security, the format of the user ID, and other information are checked.
if (!verifySessionInfo() )  {
    return false;
}

// User information is searched for based on the identifier.
User* user= UserTable. LookupByStaticID(static_id);

// Transaction is initialized according to the user status.
if (user = NULL)  {
    User* temporary_user = User::CreateGuestUser(static_id); // A temporary guest account
    (many limitations are posed compared with registered users) is created.
    Server. processRequestsAsGuestUser(Req.temporary_User); // if the user is not registered,
    the request is processed using a guest authority.
}  else  {
    if (user.isLoginin() )  {
        Server. processRequestFromRegisteredUser(req.user); // Because the user is
        logging in, the request is processed using the authority of the user.
    }  else  {
        Server. processRequestFromGuestUser(req.user); // Because the user logged out,
        the request is processed using the guest authority.
    }
}
```

FIG. 10

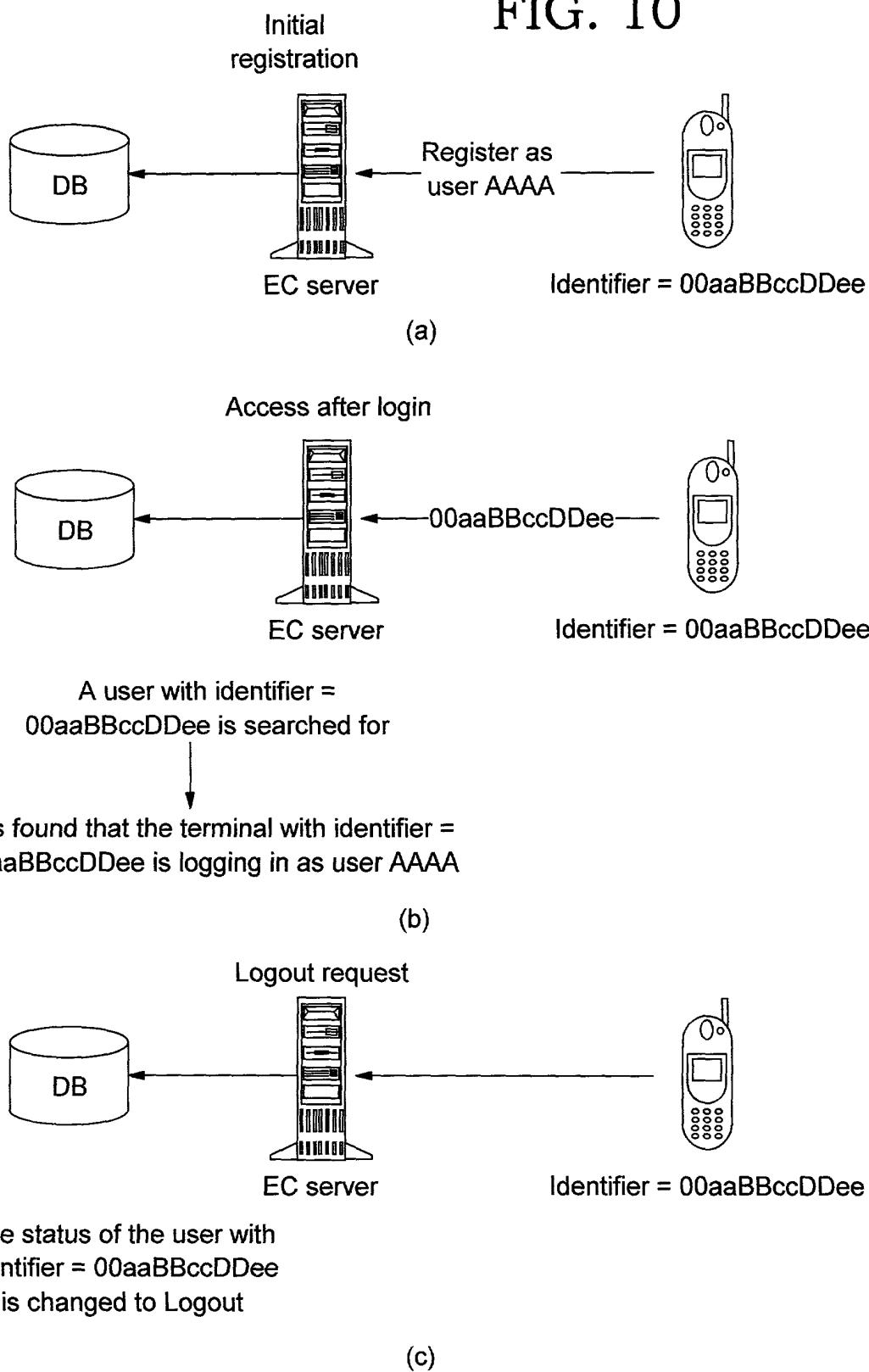


FIG. 11

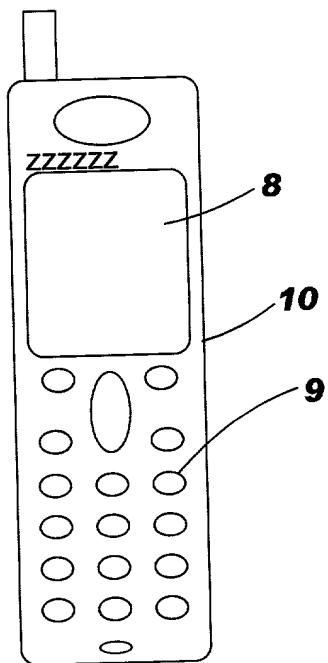


FIG. 12

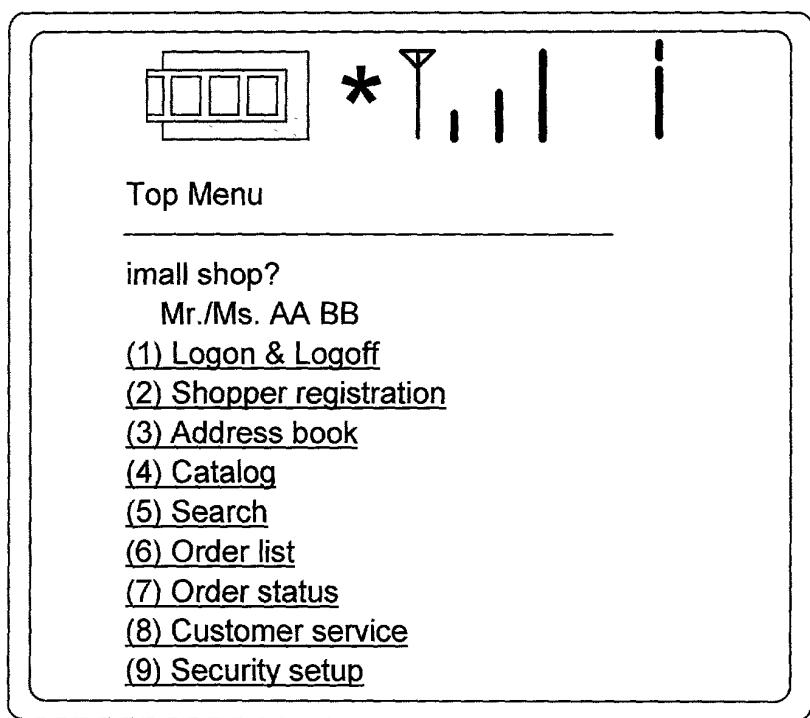


FIG. 13

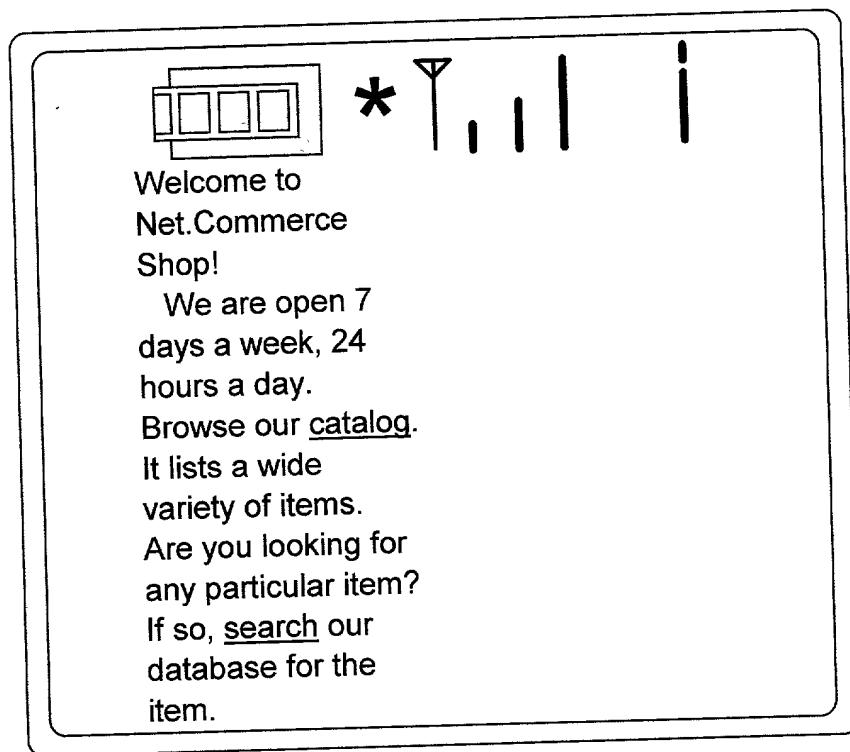


FIG. 14

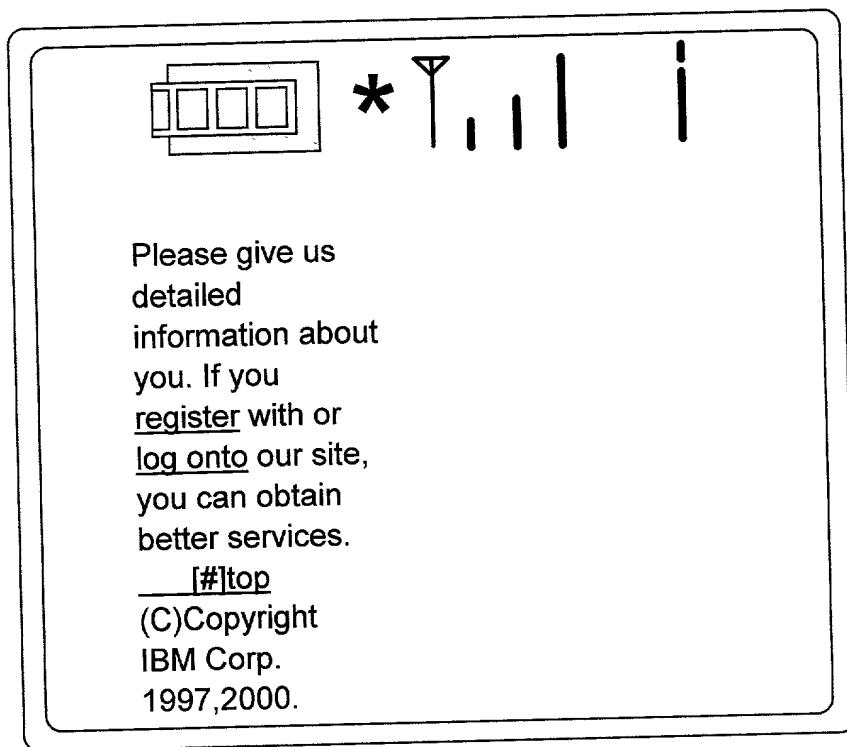
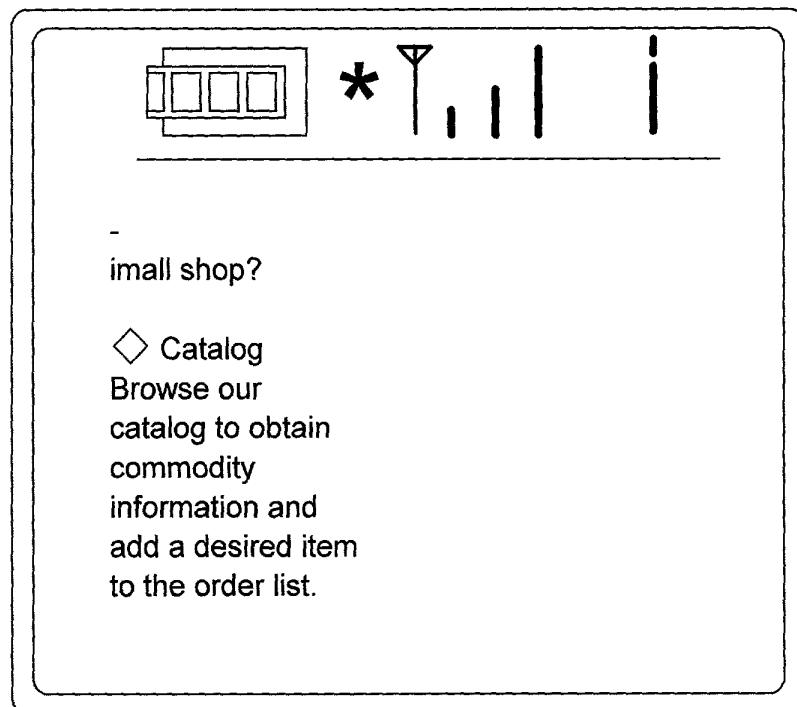
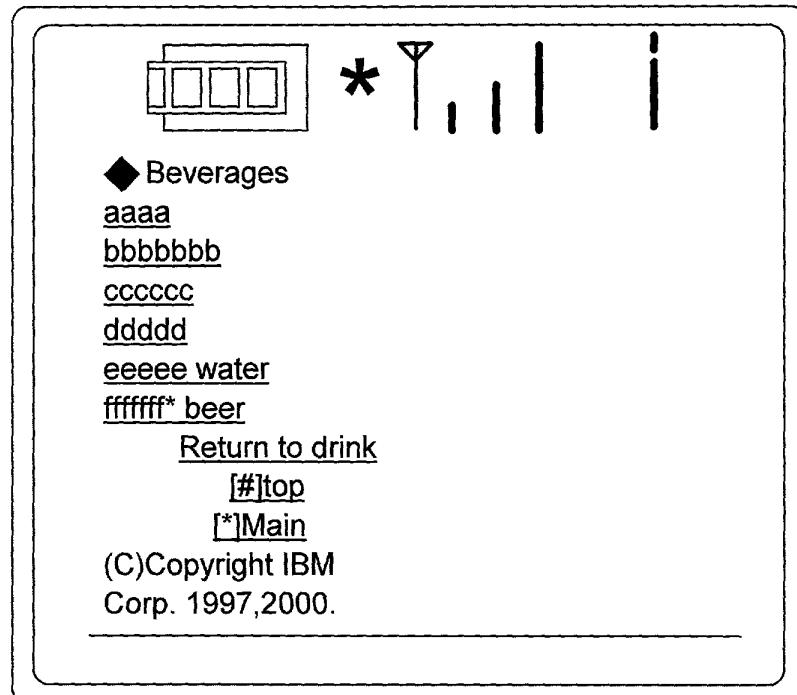


FIG. 15



(a)



(b)

FIG. 16

(a)

Order List
small shop?

◆ Order List
Mr./Ms. AA BB
Total: \$4974
(exclusive of tax)

(b)

a 1234567676423 4234 234 245345 76423 4234 234 245345
46 3
a 1234567676423 4234 234 245345 76423 4234 234 245345
46 3
a 1234567676423 4234 234 245345 76423 4234 234 245345
46 3
a 1234567676423 4234 234 245345 76423 4234 234 245345
46 3
a 1234567676423 4234 234 245345 76423 4234 234 245345
46 3
a 1234567676423 4234 234 245345 76423 4234 234 245345
46 3

(c)

Remove item
Send order
(To next page)
[4]Catalog
[#]Top
[*]Main
(C)Copyright IBM
Corp. 1997,2000.

FIG. 17

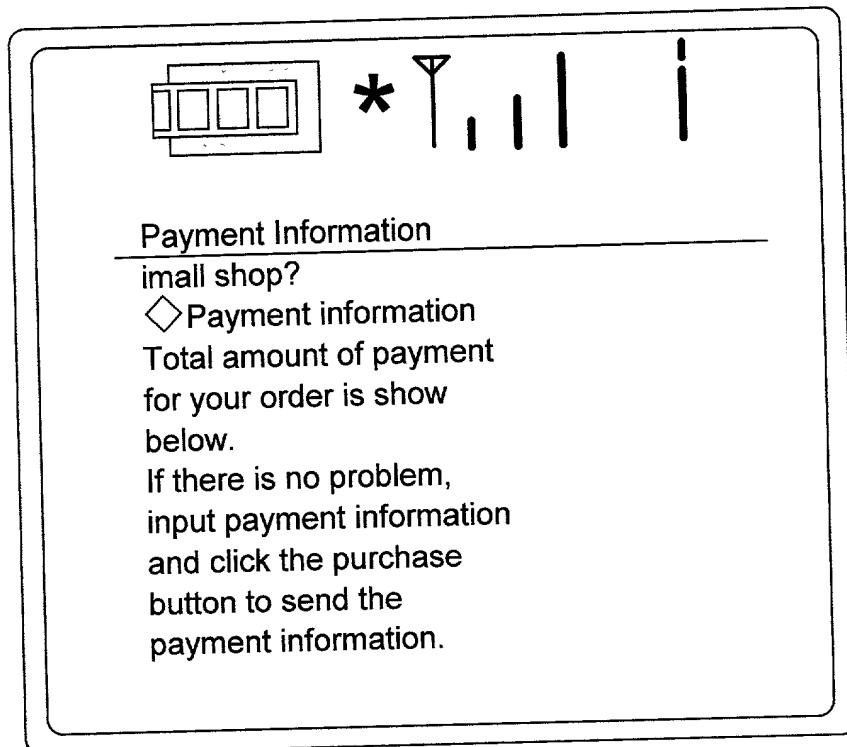


FIG. 18

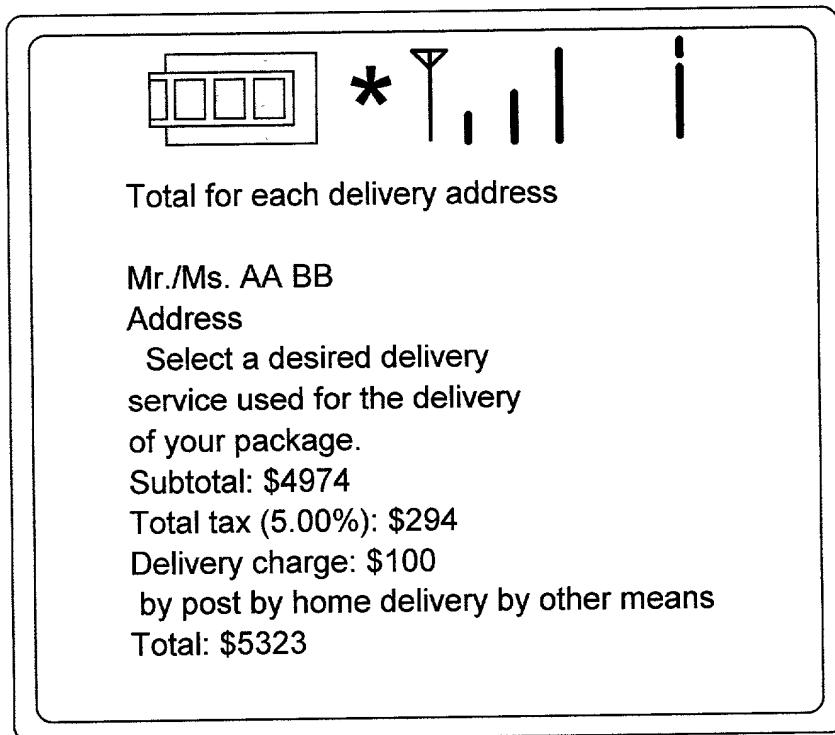


FIG. 19

Payment Information:
Input your credit card information.

- Company J
- Company M
- Company A
- Company V

Card number:

[]

Expiration - Month

[]

Expiration - Year

[]

[#]Top

[*]Main

(C)Copyright IBM
Corp. 1997,2000.